SHARP SERVICE MANUAL

S59G6TU-M100/

TV TUNER



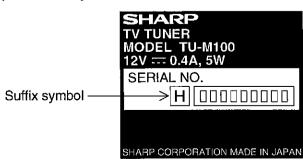
MODEL TU-M100

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified be used.

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The supplied accessories (AC Adapter etc.) of this model are different depending on their suffix symbols. Before servicing the units, be sure to check the suffix symbol on the model label that is applied on the bottom side of the unit. Example of suffix symbol



1. IMPORTANT SERVICE SAFETY PRECAUTION

 Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and servicing guidelines which follow:

WARNING

- 1. For continued safety, no modification of any circuit should be attempted.
- 2. Disconnect AC power before servicing.

CAUTION FOR CONTINUED PROTECTION AGAINST A RISK OF FIRE REPLACE ONLY WITH SAME TYPE FUSE. F101 (630mA,

BEFORE RETURNING THE TUNER

(Fire & Shock Hazard)

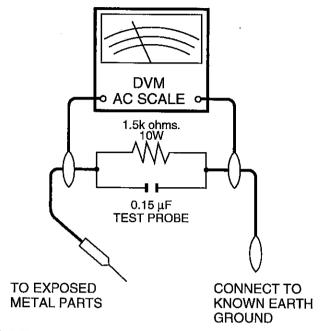
250V) FUSE.

Before returning the tuner to the user, perform the following safety checks:

- Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the tuner.
- Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
- 3. To be sure that no shock hazard exists, check for current in the following manner.
- Plug the AC Adaptor directly into a 100~240 volt AC outlet, and connect the DC power cable into the tuner's DC jack. (Do not use an isolation transformer for this test).
- Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15µF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to an earth ground.
- Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity or measure the AC voltage drop across the resistor.
- Connect the resistor connection to all exposed metal parts having a return path to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.

All checks must be repeated with the AC Adaptor plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)

Any reading of 0.3V RMS (this corresponds to 0.2 milliamp. AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



SAFETY NOTICE

Many electrical and mechanical parts in TV tuner have special safety-related characteristics.

These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.

Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by

" \(\Lambda \)" and shaded areas in the **Replacement Parts Lists** and **Schematic Diagrams**.

For continued protection, replacement parts must be identical to those used in the original circuit.

The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock. fire. or other hazards.

2. SPECIFICATIONS

	ltem	Specifications		
Receiving Broadcast Standard		CCIR TV Standard system NTSC-M PAL-B/G, D/K, I, M		
Sound System		CCIR TV Standard M, B/G, D/K, i		
Receiving 9	System and Frequency			
	AREA	VHF	UHF	
	US	US2-US13 CH	US14-US69 CH	
	UK/HONG KONG	E2-E12 CH, ItalyA-H1 CH	E21-E69 CH	
	CCIR	E2-E12 CH, ItalyA-H1 CH	E21-E69 CH	
	JAPAN	J1-J12 CH	J13-J62	
	CHINA	C1-C12 CH	C13-C57 CH	
	FREE	44.25-423.25 MHz	431.25-863.25 MHz	
Power Sou	rce	DC 12V		
Power Con	sumption	5W at DC 12V operation		
Dimension	s (approx.)	210 mm (width) x 150 mm (depth) x 30 mm (height)		
		(8-17/64 x 50-29/32 x 1-3/16 (inch))		
Weight (ap	prox.)	460 g		
Terminals				
	Antenna input	VHF/UHF 75 Ω unbalanced		
	Antenna Output	VHF/UHF 75 Ω unbalanced		
	Video Output	75 Ω 1 Vpp unbalanced		
ļ	Audio Output	1 kΩ 0.5 Vrms unbalanced		
	DC Input	EIAJ type IV, DC 12V		
	Remote Input	ø3.5 Mini-jack		
Power Supply (AC-adapter)				
	Input	AC 110-240V 50/60 Hz Auto-wi	de type	
	Output	DC 12V 0.4A		
Supplied A	accessories	AC Adapter (with AC plug), Antenna Adapter (in x 1/out x 1), Remote Control,		
		Batteries for remote control, AV Cable, Operation Manual		

- Design and specifications are subject to change without notice.
- Receivable channels:

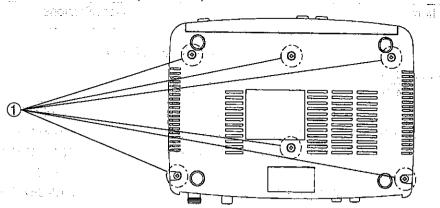
Examples of receivable channels are shown above.

3. DISASSEMBLY OF THE SET

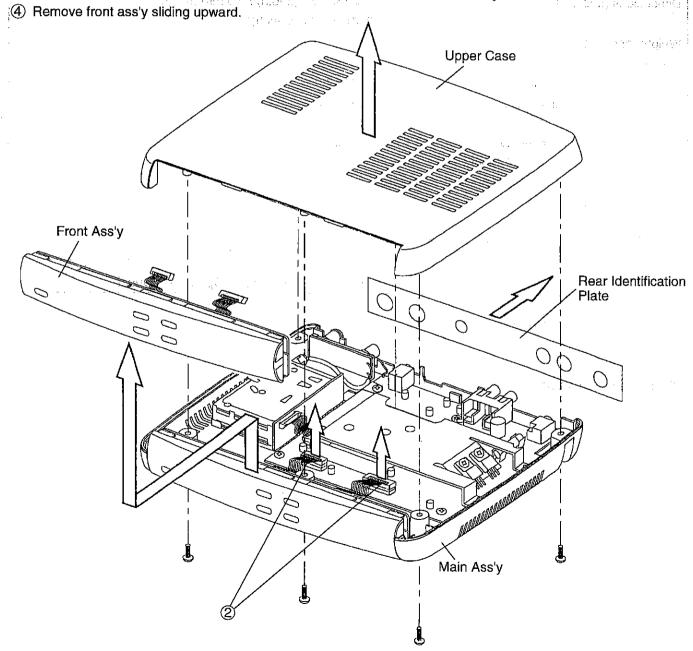
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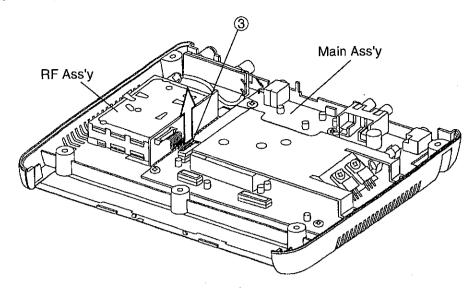
① Remove 6 screws ① of main bottom case (lower side).



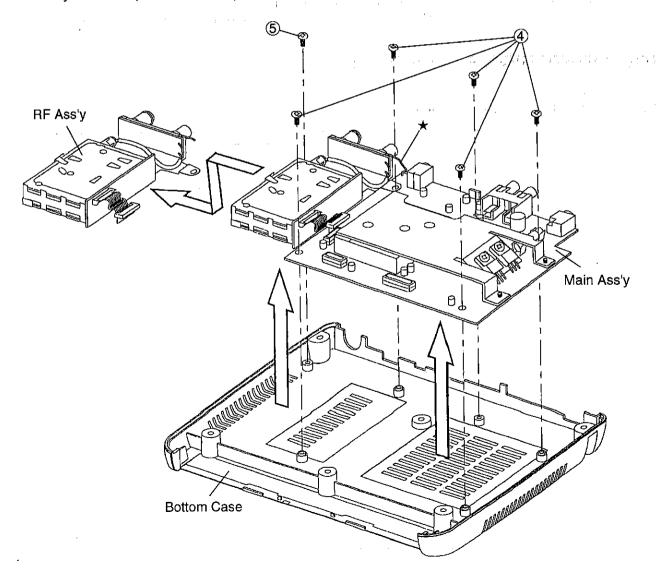
- 2 Remove the upper case and remove rear identification plate in same time.
 - Rear identification plate is stuck with both face tape. Remove it stripping slowly.
- 3 Pull out 2 cables 2 coming out from front ass'y from connectors of main ass'y.



. ⑤ Pull out 1 cable ③ coming out from RF ass'y from connectors of main ass'y.



- ⑥ Remove 5 screws ④ fixing main ass'y and 1 screw ⑤ fixing RF ass'y, and remove main ass'y and RF ass'y together not to damage the point of ★ mark.
- * When you must separate main ass'y and RF ass'y, cut the part of the ★ mark.



4. ADJUSTMENT PROCEDURE

1. Wave detection coil adjustment (TR102)

SG conditions: Input frequency 43.25 MHz

Input level 80 dBu

Modulation signal 10-step step wave, B/G, PAL signal

Adjustment method: Set TR101 to the best position, monitoring DG/DP on a video analyzer.

2. AGC adjust (VR101)

SG conditions: Input frequency 43.25 MHz

Input level 80 dBu

Modulation signal White 0%, B/G, PAL signal

Adjustment method: Adjust VR101 roughly so as to get 44 dB, monitoring S/N on a video analyzer, and

check the voltage of TP1 (3.8 \pm 0.2V).

If TP1 is out of standard, readjust the voltage, monitoring it, and check that S/N is 42

dB or more.

3. AFT adjust (TR101)

SG conditions: Input frequency 43,25 MHz

Input level 80 dBu

Modulation signal Color pattern, B/G, PAL signal

Adjustment method: Adjust the voltage of TR101 coil so as to get $4.2 \pm 0.2V$, monitoring TP1 voltage on a

tester etc.

4. OSD dot clock adjustment

Adjustment condition: To be performed in the state where OSD is output.

Adjustment method: Adjust TC101, monitoring TP4 on a counter.

Adjust it to 7 MHz roughly, and then set it to the best position on a TV screen.

5. SOLID STATE DEVICE BASE DIAGRAM

IC101 M38024M6-361FP INTEGRATED CIRCUIT TERMINAL FUNCTION

Pin No	Terminal name	1/0	Function		
1	PST	l	State of power revert after reset H: Revert to state before reset (usually setup level) L: Standby mode		
2	AGC	1	AGC voltage input (no use)		
3	AFT	ī	AFT voltage input		
4	V_SYNC	ı	Vertical sync signal input		
5	V_MUTE	0	Video mute (Active H)		
6	A_MUTE	0	Audio mute (Active L)		
7	H_SYNC	1	Horizontal sync signal input		
8	OXTAL	0	Ocsillation switch for OSD (L : 3.58 H : 4.43)		
9	OEN	0	OSD IC enable (Active L)		
10	OCLK	0	OSD IC clock		
11	ODATA	0	OSD IC data		
12	EMP	0	DE_EMP switch (system "M" : L others : H)		
13	SSW3	0	SSW1 SSW2 SSW3 System Mode SW H L I: M		
14	SSW2	0	L L H: DK		
15	SSW1	0	L H L: I L L: B/G		

Pin No	Terminal name	I/O	Function
16	IFSW	0	IF SAW switch (system "M" : L others : H)
17	NC		
18	CNVSS	_	VSS connecter
19	RESET	_	Microcomputer reset input
20	REMOTE	_	Remote control input
21	NC	_	
22	XIN	_	Clock input
23	XOUT		Clock output
24	VSS	T —	GND
25	NC	—	
26	NC		
27	NC	 	
28	NC	Ī —	
29	NC	<u> </u>	
30	NC		
31	RSCL	0	RF unit I ² C clock
32	RSDA	I/O	RF unit I ² C data
33	NC	_	
34	NC	_	
35	PLED ON	0	Power LED (green)
36	PLED OFF	0	Stand by LED (red)
37	DIG3	0	Front status (area, system) display common
38	DIG2	0	Front key input common
39	DIG1	0	Front seven segments two figures common
40	DIG0	0	Front seven segments one figure common
41	SEG7	0	Front display segment
42	SEG6	0	Front display segment
43	SEG5	0	Front display segment
44	SEG4	0	Front display segment
45	SEG3	0	Front display segment
46	SEG2	0	Front display segment
47	SEG1	0	Front display segment
48	SEG0	0	Front display segment
49	KEY4	I	Key input (power)
50	KEY3	1	Key input (A)
51	KEY2	I	Key input (▼)
52	KEY1	1	Key input (preset)
53	KEY0	ī	Key input (system)
54	NC		

Pin No	Terminal name	1/0	Function Automotion Automotion	. %:
55	NC		the first term of the second o	•
56	NC			
57	VCC	_	Power	
58	VREF	_	AD standard voltage	<u>-</u>
59	AVSS	_	Analog power	
60	POWER	0	Power control	
61	EDI	I	Data output to E ² PROM	
62	EDO	0	Data input to E²PROM	
63	ESK	0	E ² PROM clock	
64	ECS	0	E²PROM chip select (Active H)	<u> </u>

IC102 AK93C75AV INTEGRATED CIRCUIT TERMINAL FUNCTION

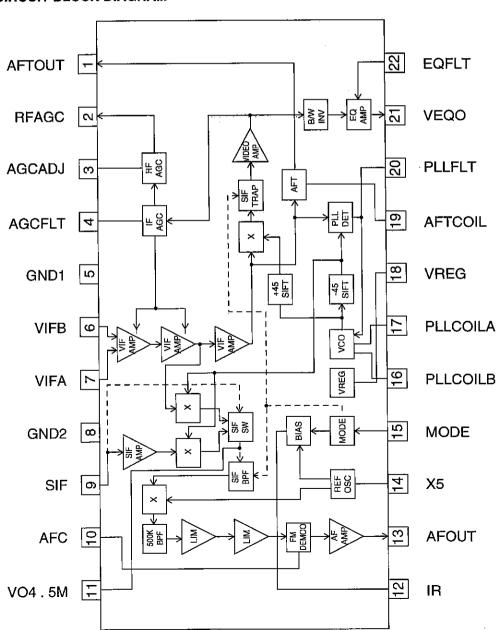
Pin No	Terminal name	1/0		Function	. 4
1	CS	Ī	Chip select		
2	SK	ı	Serial clock input		:
თ	DI	ı	Serial data input		<u>· · · · · · · · · · · · · · · · · · · </u>
4	DO	0	Serial data output		
5	GND		GND		
6	NC	_			
7	NC				
8	VCC	ı	Power		

IC103 BA7357S INTEGRATED CIRCUIT TERMINAL FUNCTION

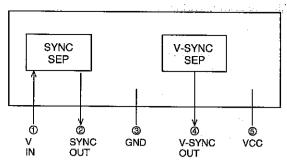
Pin No	Terminal name	1/0	Function
1	AFTOUT	0	AFT output
2	RFAGC	0	RF-AGC output
3	AGCADJ	_	Adjustment of RFAGC delay point
4	AGCFLT	<u> </u>	IFAGC filter
5	GND1	_	GND for VIF. AGC, AFT
6	VIFB	ı	Video IF input
7	VIFA	ı	Video IF input
8	GND2		GND for SIF, PLL
9	SIF	ı	Audio IF input
10	AFC		Filter for audio inspection of waveform
11	VO4.5M		2NDSIF output
12	IR	_	Filter bias resister (within +-1%)
13	AFOUT	0	AUDIO output

Pin No	Terminal name	I/O	Function		
14	X 5	_	Filter system standard frequency oscillate		
15	MODE	İ	Mode SW 0V : M mode 2.4V : D/K mode 4.3V : I mode VREG : B/G mode		
16	PLLCOILB	-	PLL oscillation COIL		
17	PLLCOILA		PLL oscillation COIL		
18	VREG		Power for IF circuit		
19	AFTCOIL	-	AFT coil		
20	PLLFLT	1	Filter for PLL phase inspection of waveform		
21	VEQO	0	Video output after EQ amp		
22	EQFLT		EQ filter		

INTEGRATED CIRCUIT BLOCK DIAGRAM



IC104 LA7213 INTEGRATED CIRCUIT BLOCK DIAGRAM

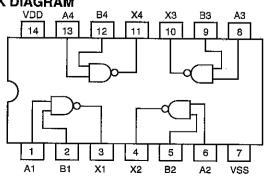


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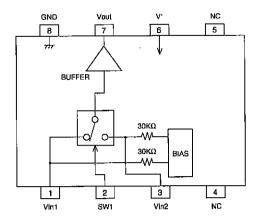
IC105 M35017-001FP INTEGRATED CIRCUIT TERMINAL FUNCTION

Pin No	Terminal name	1/0	Function
1	OSC1	1	Coollists sire it for all and all and all
2	OSC2	0	Oscillate circuit for attach outside
3	CS	1	Chip select input
4	SCK	1	Serial clock input
5	SIN	i	Serial data input
6	AC	ı	Auto clear input
7	VDD2	-	Power
8	CVIDEO	0	Compound video signal output
9	LECHA	I	Character level input
10	CVIN	I	Compound video signal input
11	vss		GND
12	P0	0	General-purpose output
13	P1	0	General-purpose output
14	P2	0	General-purpose output
15	P3	0	General-purpose output
16	LP	0	Filter connecter
17	OSCIN	ı	Sub carrier input for sync signal occurrence
	-		NTSC: 3.58MHz PAL: 4.43MHz
18	HOR]	Horizontal sync signal input
19	VERT	1	Virtical sync signal input
20	VDD1		Power

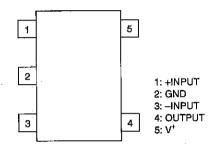
IC106 TC4011BF INTEGRATED CIRCUIT BLOCK DIAGRAM



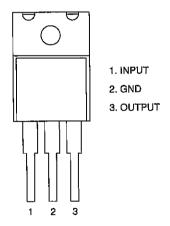
IC107 NJM2533M INTEGRATED CIRCUIT BLOCK DIAGRAM



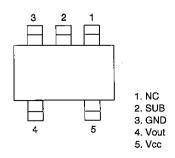
IC108 NJM2125F INTEGRATED CIRCUIT BLOCK DIAGRAM

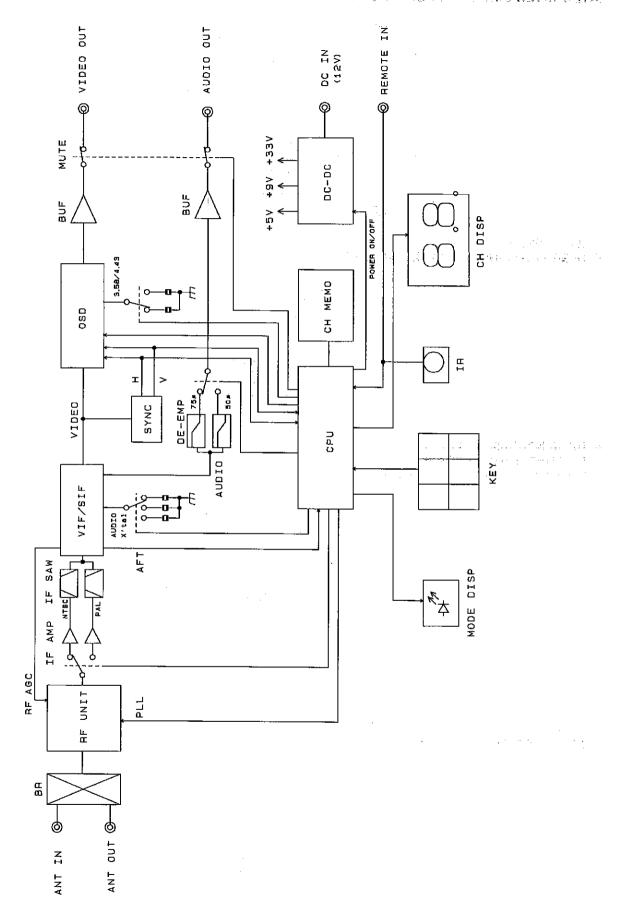


IC109 NJM78M09FA(9VReg) IC110 NJM78M05FA(5VReg) INTEGRATED CIRCUIT BLOCK DIAGRAM



IC111 PST9143NR INTEGRATED CIRCUIT BLOCK DIAGRAM





7. SCHEMATIC DIAGRAM

DESCRIPTION OF SCHEMATIC DIAGRAM

- 1. When the exclusive-use AC adapter is used, the color bar signal of color bar generator for service is input to get the normal screen. When the audio is minimized, the voltage value is measured with the 20 k Ω /V tester.
- 2. When the exclusive-use AC adapter is used, the color density, lightness and color hue are set to the center position, and the signal of color bar generator for service is observed to get waveform. The waveform test point is indicated with the mark (O) in the wiring diagram.
- 3. Indication of resistors and capacitors

[Resistor]

Unit: Nonindication $\cdots \Omega$, K $\cdots k\Omega$,

 $M \cdots M\Omega$

Error: Nonindication ... ±10%

J ... ±5%

F ... ±1%

D ... ±0.5%

[Capacitor]

Unit: Nonindication or $\mu \cdots \mu F$,

Porp...pF

IMPORTANT SAFETY NOTICE:

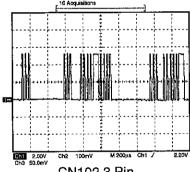
PARTS MARKED WITH " ▲ " () ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET.

BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFE-TY AND PERFORMANCE OF THE SET.

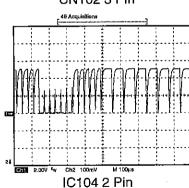
CAUTION:

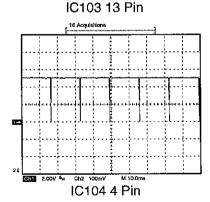
This circuit diagram is original one, therefore there may be a slight difference from yours.

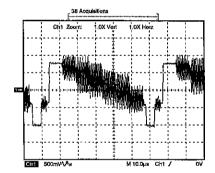
WAVEFORMS



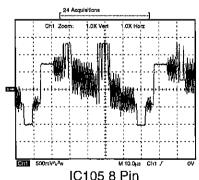


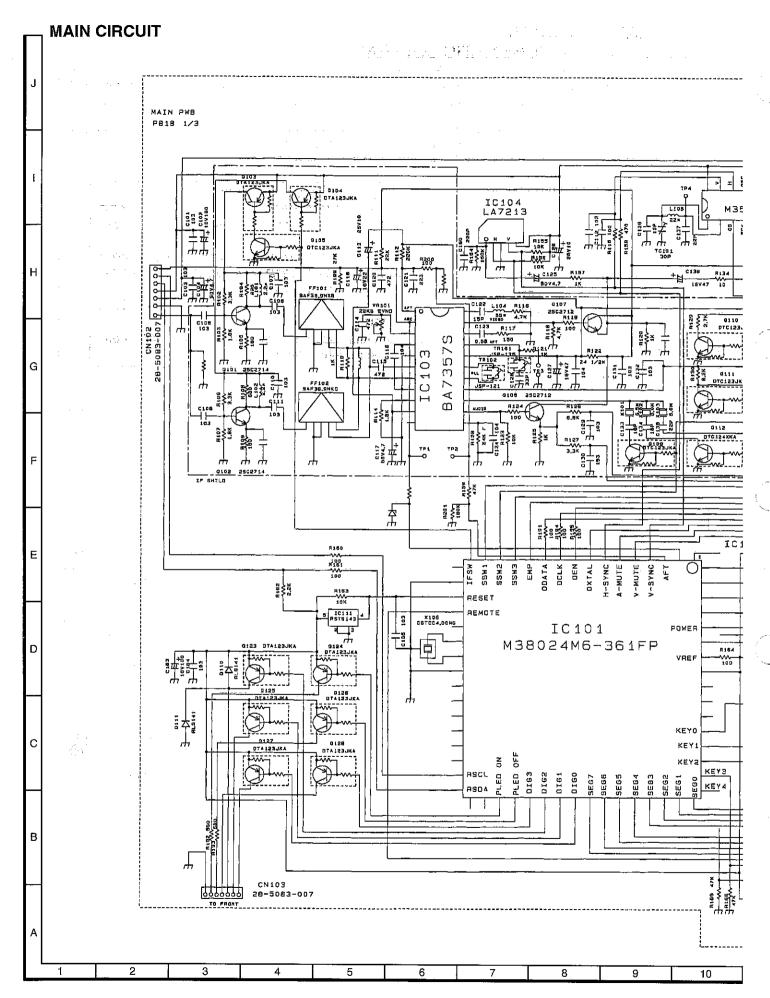




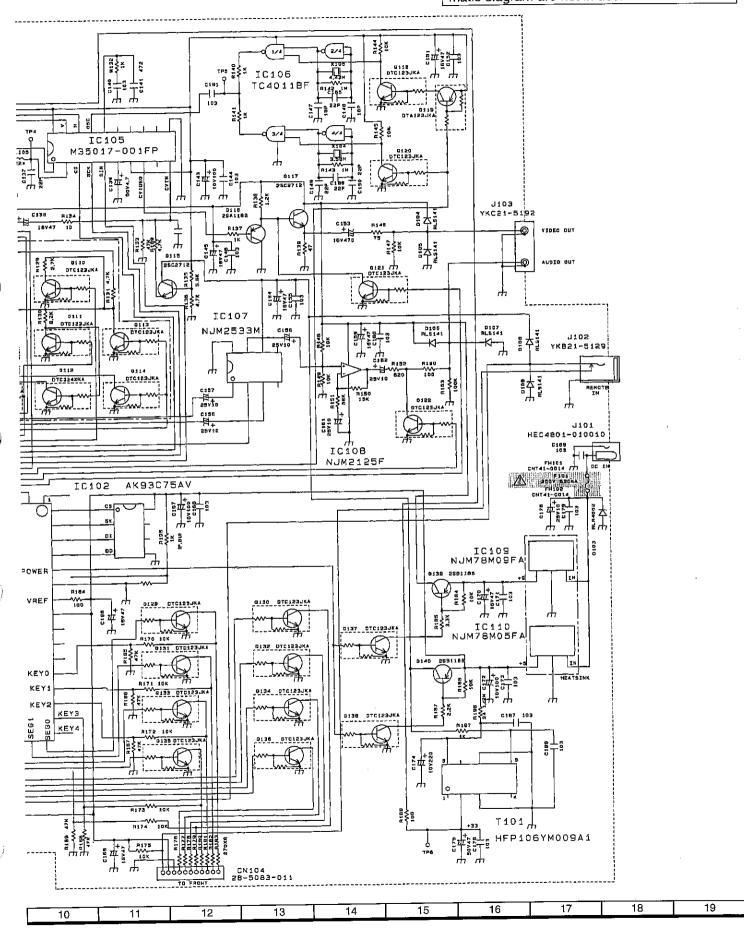


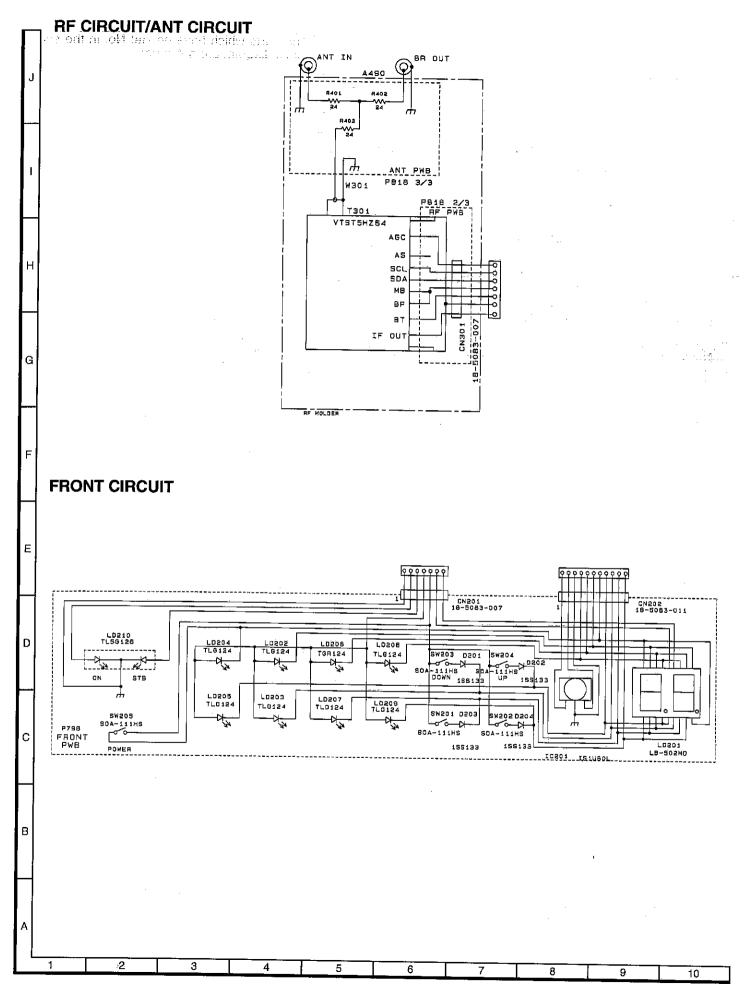
IC103 21 Pin





The parts which have no Ref No. in the schematic diagram are not in use.

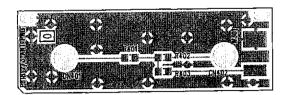




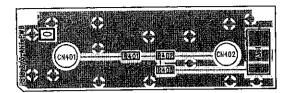
8. PRINTED WIRING BOARD ASSEMBLIES

ANT PWB

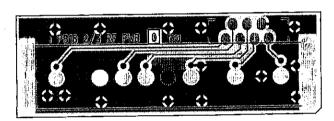
PART SIDE



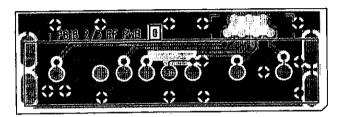
SOLDER SIDE



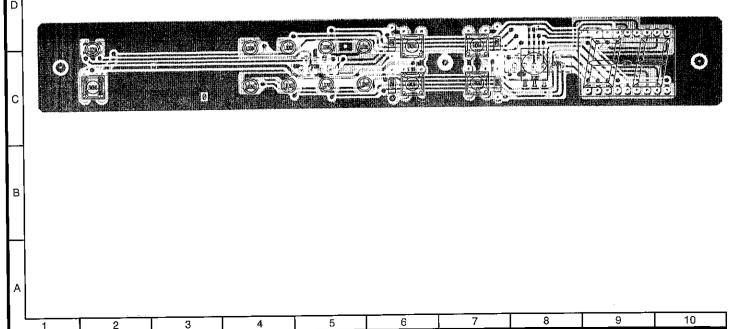
RF PWB PART SIDE

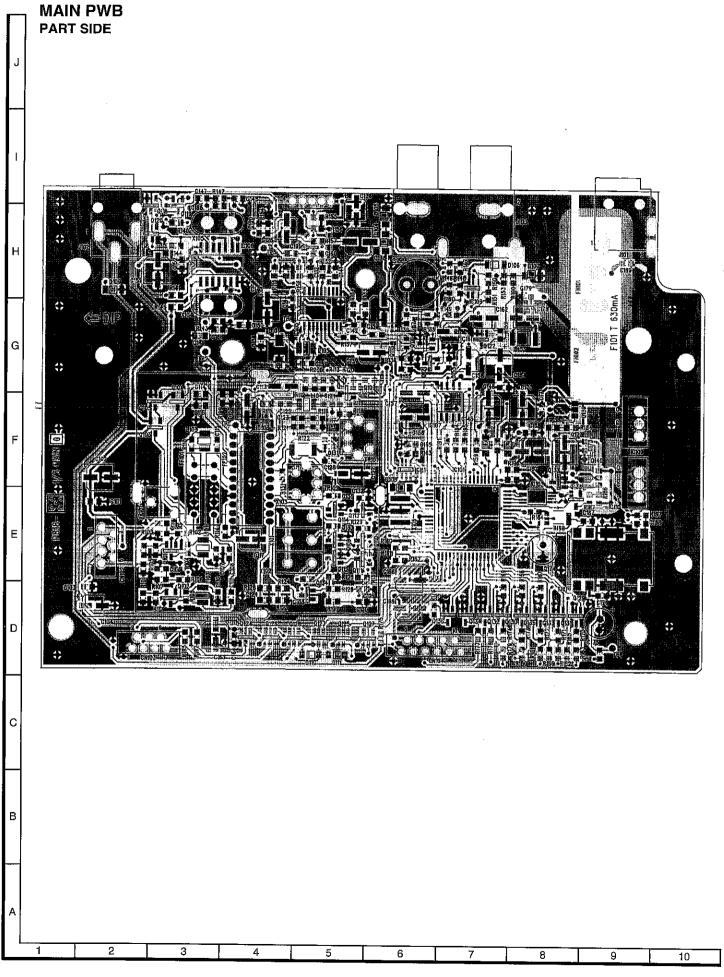


SOLDER SIDE



FRONT PWB

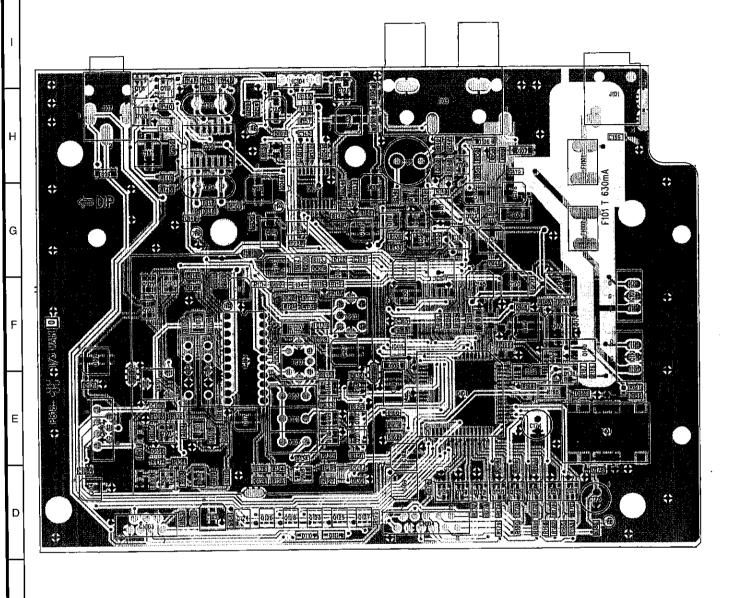




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SOLDER SIDE

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9. REPLACEMENT PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual: electrical components having such features are identified by "A" and shaded area in the Replacement Parts Lists and schematic diagram. The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1.	MODEL NUMBER
•	D 4 DT 410

2. REF. NO.

3. PART NO.

Q124

Q125

4. DESCRIPTION

L MODODANIC OCSED COLL

Ref. No.	Part No.	*	Description	Code
			D ACCEMBLE	

PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM)

P101 9GH8A2070 - Main P201 9GH8A2073 - Front P301 9GH8A2071 - RF U P401 9GH8A2072 - ANT	nt Unit — Unit —
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9GH8A2070 MAIN UNIT(P101)

INTEGRATED CIRCUITS

IC101	9GHTY8MAT40	J	M38024M6-361FP,CPU	ΑY
IC102	9GHTiAK93C75AV	J	AK93C75AV, E2PROM	AQ
IC103	VHiBA7357S/-1	J	BA7357S, VIF/SIF	AR
IC104	VHiLA7213//-1	J	LA7213, SYNC SEP.	ΑE
IC105	9GHTiM35017FP	J	M35017-001FP, OSG	AS
IC106	VHiTC4011BF-1	J	TC4011BF, NAND	ΑE
IC107	VHINJM2533M-1	J	NJM2533M, VIDEO SW	ΑF
IC108	9GHTINJM2125F	J	NJM2125F, OPAMP	ΑF
IC109	9GHTiNJM78M09F	J	NJM78M09FA, 9VReg	AG

IC108 IC109 IC110 IC111	9GHTiNJM78M09F 9GHTiNJM78M05F	J NJM2125F, OPAMP J NJM78M09FA, 9VReg J NJM78M05FA, 5VReg J PST9143NR, RESET IC	
0101	TRANS	SISTORS	

10111	SCITTI STSTABILIT	٠	1010140111, 112021 10	
	TRANS	318	STORS	
Q101	9GHTC2714Y	J	TC2714Y	ΑF
Q102	VS2SC2714Y/1F	J	TC2714Y	ΑF
Q103	9GHTiDTA123JKA	J	DTA123JKA	AF
Q104	9GHTiDTA123JKA	J	DTA123JKA	AF
Q105	VSDTC123JKA-1	J	DTC123JKA	ΑF
Q107	VS2SC2712GR-1	J	TC2712GR	AA
Q108	VS2SC2712GR-1	J	TC2712GR	AA
Q109	VSDTC123JKA-1	J	DTC123JKA	ΑF
Q110	VS.DTC123JKA-1	J	DTC123JKA	ΑF
Q111	VSDTC123JKA-1	J	DTC123JKA	AF
Q112	9GHTiDTC124XKA	_	DTC124XKA	AF
Q113	VSDTC123JKA-1	_	DTC123JKA	AF
Q114	VSDTC123JKA-1	_	DTC123JKA	AF
Q115	VS2SC2712GR-1	_	TC2712GR	AA
Q116	9GHTA1162GR		TA1162GR	AF
Q117	VS2SC2712GR-1	-	TC2712GR	AA
Q118	VSDTC123JKA-1		DTC123JKA	AF
Q119	9GHTiDTA123JKA	_	DTA123JKA	AF
Q120	VSDTC123JKA-1		DTC123JKA	AF
Q121	VSDTC123JKA-1		DTC123JKA	AF
Q122	VSDTC123JKA-1	_	DTC123JKA	AF
Q123	9GHTiDTA123JKA	_	DTA123JKA	AF
				Λ.

9GHTiDTA123JKA J DTA123JKA 9GHTIDTA123JKA J DTA123JKA

Ref. No.	Part No.	*	Description	Code
Q126	9GHTiDTA123JKA		DTA123JKA	AF
Q127	9GHTiDTA123JKA		DTA123JKA	AF
Q128	9GHTiDTA123JKA VSDTC123JKA-1		DTA123JKA DTC123JKA	AF AF
Q129 Q130	VSDTC123JKA-1		DTC123JKA	AF
Q131	VSDTC123JKA-1		DTC123JKA	AF
Q132	VSDTC123JKA-1		DTC123JKA	AF
Q133	VSDTC123JKA-1	J	DTC123JKA	AF
Q134	VSDTC123JKA-1		DTC123JKA	AF
Q135	VSDTC123JKA-1		DTC123JKA	AF
Q136 Q137	VSDTC123JKA-1 VSDTC123JKA-1		DTC123JKA DTC123JKA	AF AF
Q138	VSDTC123JKA-1		DTC123JKA	AF
Q139	9GHTB1188Q	_	TB1188Q	AF
Q140	9GHTB1188Q	J	TB1188Q	AF
			ES	
D103	9GHTORLR4002		RLR4002, 0.8 Diode RLS141 SW Diode	AF AF
D104 D105	9GHTORLS141 VHDRLS141//-1		RLS141 SW Diode	AF
D103	VHDRLS141//-1		RLS141 SW Diode	ĀF
D107	VHDRLS141//-1		RLS141 SW Diode	AF
D108	VHDRLS141//-1		RLS141 SW Diode	AF
D109	VHDRLS141//-1		RLS141 SW Diode	AF
D110	VHDRLS141//-1	-	RLS141 SW Diode	AF
D111	VHDRLS141//-1	J	RLS141 SW Diode	AF
	·		ALS	
X101	RFILA0093CEZZ		CSA6.5MTZ 6.5MHz	AC
X102 X103	RFILA0042CEZZ RFILC0081GEZZ		CSA6.5MG 6.0MHz CSA5.0MG 5.0MHz	AD AD
X103 X104	9GHFO309	-	AT-51/ 3.579545MHz	AK
X104 X105	9GHFO310		AT-51/ 4.433619MHz	AK
X106	9GHF0294		CSTCC4.00MG0H6	AG
	C	OII	LS	
L101	9GHLD467		NL252018-2R2J 2.2u	AF
L102	VPARM2R2MR54N		NL252018-2R2J 2.2u	AF
L104	9GHLD602		NL252018-390J 39u	AF
L105	VPARM330K4R3N		NL252018-220J 22u	AC
TC101 TR101	9GHCV039 9GHLD1080	_	4CRJA030E11 30P 0236JSP-121 AFT Coil	AH AH
TR102	9GHLD1080 9GHLD1081	_	0236JSP-136 Coil	AH
	VADIARI	FI	RESISTOR	
VR101	9GHRV084		RH0615CJ4J, 22kB EV	ND AF
	CAP	AS	ITORS	
C101	VCKYTV1HB103K		0.01 50V Ceramic	AA
C102	9GHCDPE71071A	C J	100 10V Electrolytic	: AF
C103	VCKYTV1HB103K	J		AA
C104	VCEAPF1HW475N			
C105	VCKYTV1HB103K VCKYTV1HB103K	ل ال		AA AA
C106 C107	VCKYTV1HB103K	J		AA
C108	VCKYTV1HB103K	J		AA
C109	VCKYTV1HB103K	Ĵ		AA
C110	VCKYTV1HB103K	J	0.01 50V Ceramic	AA
C111	VCKYTV1HB103K			AA
C112	VCKYTV1HB102K			AA .
C113	VCEAPF1EW106N VCKYTV1HB472K			: AB AA
C114 C115	VCKYTV11B472K		•	AA
C116	VCKYTV1EB104K			AB
C117	VCEAPF1HW475N			
C118	VCEAPF1CW226N			
C120	VCKYTV1HB472K			AA
C121	VCKYTV1EB223K			AB AA
C122 C123	VCCCTV1HH150J 9GHCCPF46841C		•	AF
C123	VCKYTV1EB104K			AB
C125	VCEAPF1HW475I			
C126	VCEAPF1EW106N			
C127	VCEAPF1CW476I			
C128 C129	VCCCTV1HH330J VCKYTV1HB103K			AA AA
C129	VCKYTV1HB103K			AA

AF

AF

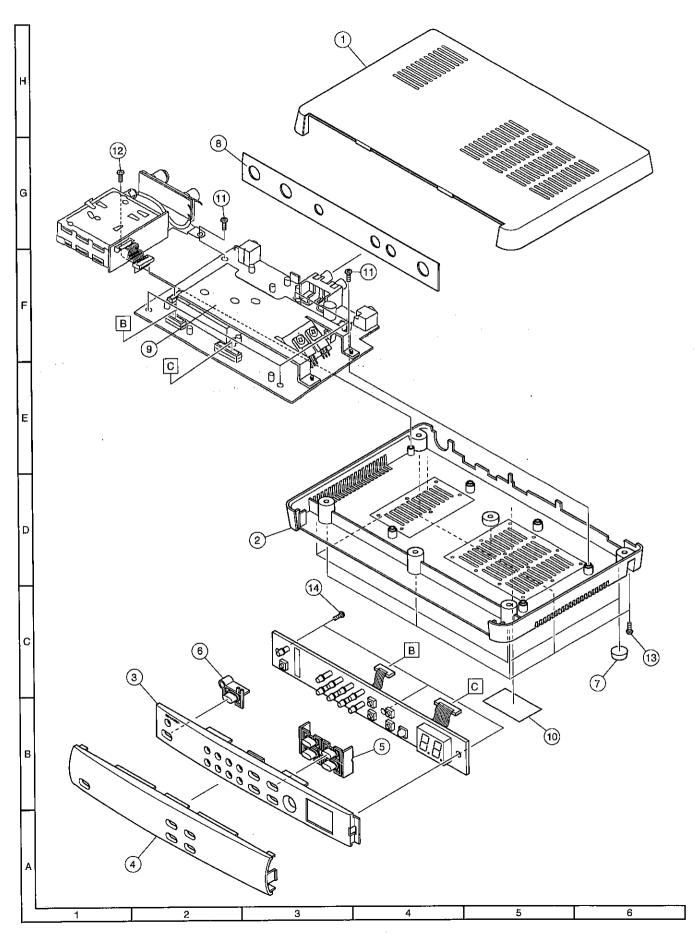
AG AG

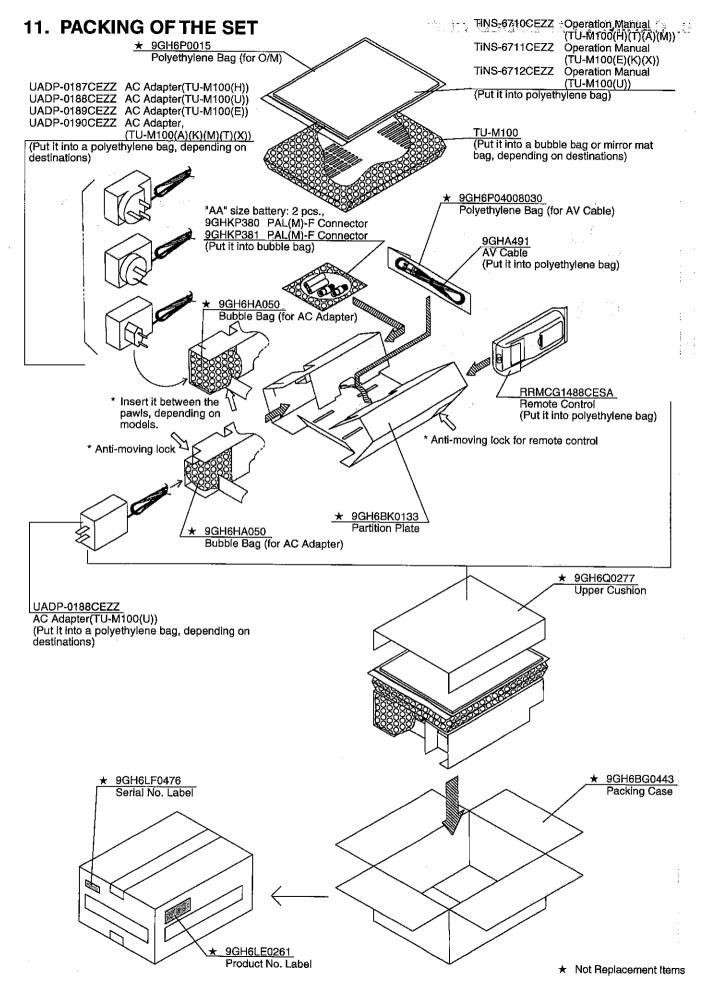
C139 VCKYTV1HB103K J 0.01 SOV Ceramic AA B128 VRS-TV1, 1982J J 6.8k 1/10WCH AA C139 VCCCTV1HB103L J 189 SOV CH AA B122 VRS-TV1, 1983Z J 22k 1/10WCH AA C139 VCCCTV1HB103L J 189 SOV CH AA B130 VRS-TV1, 1982Z J 22k 1/10WCH AA C139 VCCCTV1HB103L J 12p SOV CH AA B130 VRS-TV1, 1982Z J 22k 1/10WCH AA C139 VCCCTV1HB103L J 22p SOV CH AA B130 VRS-TV1, 1982Z J 22k 1/10WCH AA C139 VCCCTV1HB103L J 12p SOV CH AA B130 VRS-TV1, 1982Z J 22k 1/10WCH AA C139 VCCCTV1HB103L J 22p SOV CH AA B130 VRS-TV1, 1982Z J 2k 2k 1/10WCH AA C139 VCCCTV1HB103L J 22p SOV CH AA B130 VRS-TV1, 1982Z J 2k 2k 1/10WCH AA C139 VCCAPFI HW47SM J 4.7 SOV Electrolytic AC B133 VRS-TV1, 1982Z J 2k 2k 1/10WCH AA C140 VCKYTV1HB103K J 0.01 SOV Ceramic AA B130 VRS-TV1, 1982Z J 3k 6/10WCH AA C141 VCKYTV1HB103K J 0.01 SOV Ceramic AA B130 VRS-TV1, 1982Z J 3k 6/10WCH AA C141 VCKYTV1HB103K J 0.01 SOV Ceramic AA B130 VRS-TV1, 1982Z J 3k 6/10WCH AA C144 VCKYTV1HB103K J 0.01 SOV Ceramic AA B130 VRS-TV1, 1982Z J 3k 7k	Ref. No.	Part No.	*	De	scription	Code	Ref. No.	Part No.	*	Description	Code
C139 VCCCTVHHEIGOL J 189 SOV CH AA RI22 VRS-TVI, 10282 J 3.3K t/NOWCH AA C139 VCCCTVHHEIGOL J 189 SOV CH AA RI22 VRS-TVI, 10282 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 190 SOV CH AA RI23 VRS-TVI, 10282 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 190 SOV CH AA RI23 VRS-TVI, 10282 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 190 SOV CH AA RI23 VRS-TVI, 10282 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 190 SOV CH AA RI23 VRS-TVI, 10282 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 190 SOV CH AA RI23 VRS-TVI, 10282 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 190 SOV CH AA RI23 VRS-TVI, 10282 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 190 SOV CH AA RI23 VRS-TVI, 10282 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 190 SOV CH AA RI23 VRS-TVI, 10282 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 190 SOV CH AA RI23 VRS-TVI, 10282 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 190 SOV CH AA RI23 VRS-TVI, 10282 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 1.0L SOV CH AA RI34 VRS-TVI, 10282 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 1.0L SOV CH AA RI34 VRS-TVI, 10282 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 1.0L SOV CH AA RI34 VRS-TVI, 10282 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 190 SOV CH AA RI34 VRS-TVI, 10282 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 190 SOV CH AA RI34 VRS-TVI, 10282 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 190 SOV CH AA RI34 VRS-TVI, 10282 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 190 SOV CH AA RI34 VRS-TVI, 10282 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 190 SOV CH AA RI34 VRS-TVI, 10282 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 190 SOV CH AA RI34 VRS-TVI, 10282 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 190 SOV CH AA RI34 VRS-TVI, 10282 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 190 SOV CH AA RI34 VRS-TVI, 10282 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 190 SOV CH AA RI34 VRS-TVI, 10282 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 190 SOV CH AA RI34 VRS-TVI, 10282 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 190 SOV CH AA RI34 VRS-TVI, 10283 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 190 SOV CH AA RI34 VRS-TVI, 10283 J 3.2K t/NOWCH AA C139 VCCCTVHHEIGOL J 190 SOV CH AA RI34 VRS-TVI, 10283 J 3.2K t/NOWCH AA	™C131	VCKYTV1HB103K	J	0.01 50	V Ceramic	AA	R126	VRS-TV1JD682J	J 6.8k	1/10W CH	AA
C139 VCCCTV1HH180J J 89 50V CH AA R128 VRS-TV1,D229 J 24K 170WCH AA AR141 VRS-TV1,D2724 J 47K 170WCH AA AR141 VRS-TV1,D2724 J 47K 170WCH AA AR141 VRS-TV1,D2724 J 47K 170WCH AA AR141 VRS-TV1,D1724 J 47K 170WCH AA AR141 VRS-TV1,D1725 J 47K 170WCH AA AR141 VRS-TV1,D1724 J 47K 170WCH A	≕ C132	VCKYTV1HB103K	J	0.01 50	V Ceramic	· AA	R127				
C139 VCCCTV1HH203 J 229 50V CH AA	C133	VCCCTV1HH180J	J	18p 50	V CH	AA	R128				
C139 VCCCTV1HH100D J 109 BOV CH AA R130 VRS-TV1, DR222 J 8.2k 1/10WCH	C134	VCCCTV1HH180J	J	18p 50	V CH						
C193 VCCCTV1HH200 J 10p 50V CH AA	C135	VCCCTV1HH220J	J	22p 50	V CH						
C139 VCCETY-H14220J J 47 16V Electrolytic A R133 VRS-TV-JD102J J 18, 1710WCH AA C139 VCEAPT-H4428J J 47 16V Electrolytic AB R134 VRS-TV-JD102J J 19, 1710WCH AA C139 VCEAPT-H4428J J 47 16V Electrolytic AB R134 VRS-TV-JD102J J 19, 1710WCH AA C139 VCEAPT-H4428J J 47 16V Electrolytic AB R134 VRS-TV-JD102J J 19, 1710WCH AA C134 VCEAPT-H4428J J 47 16V Electrolytic AB R134 VRS-TV-JD102J J 18, 1710WCH AA C134 VCEAPT-H4428J J 47 16V Electrolytic AB R134 VRS-TV-JD102J J 18, 1710WCH AA C134 VCEAPT-H4428J J 47 16V Electrolytic AB R134 VRS-TV-JD102J J 18, 1710WCH AA C134 VCEAPT-H4428J J 189 50V CH AA R134 VRS-TV-JD102J J 18, 1710WCH AA C134 VCEAPT-H4428J J 189 50V CH AA R134 VRS-TV-JD102J J 18, 1710WCH AA C135 VCEATT-H4428J J 225 50V CH AA R134 VRS-TV-JD102J J 18, 1710WCH AA C135 VCEATT-H4428J J 225 50V CH AA R134 VRS-TV-JD102J J 18, 1710WCH AA C135 VCEATT-H4428J J 225 50V CH AA R134 VRS-TV-JD103J J 18, 1710WCH AA C135 VCEATT-H4428J J 225 50V CH AA R134 VRS-TV-JD103J J 18, 1710WCH AA C135 VCEATT-H4428J J 225 50V CH AA R134 VRS-TV-JD103J J 18, 1710WCH AA C135 VCEATT-H4428J J 225 50V CH AA R134 VRS-TV-JD103J J 18, 1710WCH AA C135 VCEATT-H4428J J 225 50V CH AA R134 VRS-TV-JD103J J 18, 1710WCH AA C135 VCEATT-H4428J J 225 50V CH AA R134 VRS-TV-JD103J J 18, 1710WCH AA C135 VCEATT-H4428J J 225 50V CH AA R134 VRS-TV-JD103J J 18, 1710WCH AA C135 VCEATT-H4428J J 225 50V CH AA R134 VRS-TV-JD103J J 18, 1710WCH AA C135 VCEATT-H4428J J 37 18V Electrolytic AC R134 VRS-TV-JD103J J 18, 1710WCH AA C135 VCEATT-H4428J J 37 18V Electrolytic AC R134 VRS-TV-JD103J J 18, 1710WCH AA C135 VCEATT-H4428J J 37 18V Electrolytic AC R134 VRS-TV-JD103J J 18, 1710WCH AA C135 VCEATT-H4428J J 37 18V Electrolytic AC R134 VRS-TV-JD103J J 18, 1710WCH AA C135 VCEATT-H4428J J 37 18V Electrolytic AC R134 VRS-TV-JD103J J 18, 1710WCH AA C135 VCEATT-H4428J J 37 18V Electrolytic AC R134 VRS-TV-JD103J J 18, 1710WCH AA C135 VCEATT-H4428J J 37 18V Electrolytic AC R134 VRS-TV-JD103J J 18, 1710WCH AA C135 VCEATT-H4428J J 37 18V Electrolytic AC R134 VRS-TV-JD103J J 18, 1710W	C136	VCCCTV1HH100D	J	10p 50	V CH						
C139 VCEAPFICWAYSM J 47 16V Electrolytic AC R133 VSEX-VIJ1073 J 47% 17/60VCH AA C149 VCKYTVHB108K J 0.01 50V Caramic AA R138 VSEX-VIJ10762 J 5.0% 17/60VCH AA C149 VCKYTVHB108K J 0.01 50V Caramic AA R138 VSEX-VIJ10762 J 5.0% 17/60VCH AA C149 VCKYTVHB108K J 0.01 50V Caramic AA R138 VSEX-VIJ10762 J 5.0% 17/60VCH AA C149 VCKYTVHB108K J 0.01 50V Caramic AA R138 VSEX-VIJ10762 J 1.0% 17/60VCH AA C149 VCKYTVHB108K J 0.01 50V Caramic AA R138 VSEX-VIJ10762 J 1.0% 17/60VCH AA C149 VCKYTVHB108K J 0.01 50V Caramic AA R140 VSEX-VIJ10762 J 1.0% 17/60VCH AA C149 VCKYTVHB108K J 0.01 50V Caramic AA R141 VSEX-VIJ10762 J 1.0% 17/60VCH AA C149 VCKYTVHB108K J 0.01 50V Caramic AA R141 VSEX-VIJ10762 J 1.0% 17/60VCH AA C149 VCKYTVHB108K J 0.01 50V Caramic AA R141 VSEX-VIJ10762 J 1.0% 17/60VCH AA C149 VCKCYTVHB108K J 0.01 50V Caramic AA R141 VSEX-VIJ10763 J 10% 17/60VCH AA C149 VCKCYTVHB108K J 0.01 50V Caramic AA R144 VSEX-VIJ10763 J 10% 17/60VCH AA C151 VCEAPFICWAYSM J 470 16V Electrolytic AC R144 VSEX-VIJ10763 J 10% 17/60VCH AA C152 VCKCYTVHB108K J 0.01 50V Caramic AA R144 VSEX-VIJ10763 J 10% 17/60VCH AA C152 VCKCYTVHB108K J 0.01 50V Caramic AA R144 VSEX-VIJ10763 J 10% 17/60VCH AA C152 VCKCYTVHB108K J 0.01 50V Caramic AA R144 VSEX-VIJ10763 J 10% 17/60VCH AA C153 VCEAPFIEW08M J 10 25V Electrolytic AC R144 VSEX-VIJ10763 J 10% 17/60VCH AA C153 VCEAPFIEW08M J 10 25V Electrolytic AC R144 VSEX-VIJ10763 J 10% 17/60VCH AA C153 VCEAPFIEW08M J 10 25V Electrolytic AC R145 VSEX-VIJ10763 J 10% 17/60VCH AA C153 VCEAPFIEW08M J 10 25V Electrolytic AC R145 VSEX-VIJ10763 J 10% 17/60VCH AA C153 VCEAPFIEW08M J 10 25V Electrolytic AC R145 VSEX-VIJ10763 J 10% 17/60VCH AA C153 VCEAPFIEW08M J 10 25V Electrolytic AC R145 VSEX-VIJ10763 J 10% 17/60VCH AA C153 VCEAPFIEW08M J 10 25V Electrolytic AC R145 VSEX-VIJ10763 J 10% 17/60VCH AA C153 VCEAPFIEW08M J 10 25V Electrolytic AC R145 VSEX-VIJ10763 J 10% 17/60VCH AA C153 VCEAPFIEW08M J 10 25V Electrolytic AC R145 VSEX-VIJ10763 J 10% 17/60VCH AA C153 VCEAPFIEW08M J 10 25V Electrolytic AC R145 VSEX-VIJ10763 J 10% 17/6	C137							17.1 <u>1</u> 1 11.			
C139 VCEAPFIHWAYSM J 4.7 SOV Electrolytic AB R139 VFS.TVI.JD100.J J 10 11/10/WCH AA C140 VCEAVFVHB100K J 0.01 SOV Ceramic AA R138 VFS.TVI.JD102.J J 4.7K 1/10/WCH AA C143 VCEAVFVHB100K J 100 100 Library AC C145 VCEAFFICWAYSM J 4.7 IBV Electrolytic AC R143 VCEAVFVHB100K J 0.01 SOV Ceramic AA R138 VFS.TVI.JD102.J J 4.7K 1/10/WCH AA C145 VCEAFFICWAYSM J 4.7 IBV Electrolytic AC R143 VCEAFFICWAYSM J 4.7 IBV Electrolytic AC R144	C138	VCEAPF1CW476M									
C141 VCKYTV1HB108K J 0.01 50V Ceramic A R135 VRS-TV1JD922J J 5.8 i 1700WCH AA C143 9GHCDPE7071AC J 100 10V Electrolyte AF R137 VRS-TV1JD102J J 1.8 i 1700WCH AA C144 VCKYTV1HB103K J 0.01 50V Ceramic AR R138 VRS-TV1JD102J J 1.8 i 1700WCH AA C146 VCKYTV1HB103K J 0.01 50V Ceramic AR R138 VRS-TV1JD102J J 1.8 i 1700WCH AA C146 VCKYTV1HB103K J 0.01 50V Ceramic AR R141 VRS-TV1JD102J J 1.8 i 1700WCH AA C146 VCKYTV1HB103K J 0.01 50V Ceramic AR R141 VRS-TV1JD102J J 1.8 i 1700WCH AA C146 VCCCTV1HH120J J 22b 50V CH AA C146 VCCCTV1HH120J J 22b 50V CH AA C147 VCCCTV1HH120J J 22b 50V CH AA C148 VCCCTV1HH120J J 22b 50V CH AA C149 VCCCTV1HH120J J 22b 50V CH AA C149 VCCCTV1HH120J J 22b 50V CH AA C149 VCCCTV1HH120J J 27b 50V CH AA C149 VCCCTV1HH120J J 27b 50V CH AA C150 VCCCTV1HH120J J 27b 50V CH AA C150 VCCCTV1H120J J 27b 50V CH AA C151 VCCCTV1H120J J 27b 50V CH AA C151 VCCCTV1H120J J 27b 50V CH AA C152 VCCCTV1H120J J 1.0 I 1700WCH AA C153 VCCCTV1H120J J 1.0 I 1700WCH AA C153 VCCCTV1H120J J 1.0 I 1700WCH AA C154 VCCEAPT CWT0M70M J 70 I 6V Electrolyte AC C155 VCCCTV1H120J J 1.0 I 10V Electrolyte AC C156 VCCEAPT CWT0M70M J 1.0 I 50V Ceramic AC C157 VCCEAPT CWT0M70M J 1.0 I 50V Ceramic AC C159 VCCEAPT CWT0M70M J 1.0 I 50V Ceramic AC C150 VCCEAPT CWT0M70M J 1.0 I 50V Ceramic AC C150 VCCEAPT CWT0M70M J 1.0 I 50V Ceramic AC C150 VCCEAPT CWT0M70M J 1.0 I 50V Ceramic AC C150 VCCEAPT CWT0M70M J 1.0 I 50V Ceramic AC C150 VCCEAPT CWT0M70M J 1.0 I 50V Ceramic AC C150 VCCEAPT CWT0M70M J 1.0 I 50V Ceramic AC C150 VCCEAPT CWT0M70M J 1.0 I 50V Ceramic AC C150 VCCEAPT CWT0M70M J 1.0 I 50V Ceramic AC C150 VCCEAPT CWT0M70M J 1.0 I 50V Ceramic AC C161 VCCEAPT CWT0M70M J 1.0 I 50V Ceramic AC C161 VCCEAPT CWT0M70M J 1.0 I 50V Ceramic AC C161 VCCEAPT CWT0M70M J 1.0 I 50V Ceramic AC C161 VCCEAPT CWT0M70M J 1.0 I 50V Ceramic AC C161 VCCEAPT CWT0M70M J 1.0 I 50V Ceramic AC C161 VCCEAPT CWT0M70M J 1.0 I 50V Ceramic AC C161 VCCEAPT CWT0M70M J 1.0 I 50V Ceramic AC C161 VCCEAPT CWT0M70M J 1.0 I 50V Ceramic AC C161 VCCEAPT CWT0M70M J 1.0 I 50V Ceramic AC C161							*				
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C188									J 10k	1/10W CH	AA
C189									J 10k	1/10W CH	AA
C190 VCCCTV1HH221J J 220p 50V CH AA R177 VRS-TV1JD271J J 270 1/10W CH AA R178 VRS-TV1JD271J J 270 1/10W CH AA R180 VRS-TV1JD271J J 270 1/10W CH AA R181 VRS-TV1JD271J J 270 1/10W CH AA R182 VRS-TV1JD271J J 270 1/10W CH AA R182 VRS-TV1JD271J J 270 1/10W CH AA R184 VRS-TV1JD271J J 270 1/10W CH AA R185 VRS-TV1JD271J J 270 1/10W CH AA R186 VRS-TV1JD181J J 180 1/10W CH AA R188 VRS-TV1JD103J J 10k 1/10W CH AA R186 VRS-TV1JD182J J 3.3k 1/10W CH AA R186 VRS-TV1JD103J J 10k 1/10W CH AA R186 VRS-TV1JD103J J 10k 1/10W CH AA R186 VRS-TV1JD103J J 10k 1/10W CH AA R188 VRS-TV1JD103J J 10k 1/10W CH AA R191 VRS-TV1JD103J J 10k 1/10W CH AA R192 VRS-TV									J 10k	1/10W CH	AA
C191								VRS-TV1JD271J	J 270		AA
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RESISTORS							R179	VRS-TV1JD271J	J 270	1/10W CH	AA
R103		RES						VRS-TV1JD271J	J 270	1/10W CH	AA
R103					The second secon	AA			J 270	1/10W CH	
R104						AA		VRS-TV1JD271J	J 270	1/10W CH	
R105						AA		VRS-TV1JD271J	J 270	1/10W CH	
R106		and the second second				AA		VRS-TV1JD103J	J 10k	1/10W CH	
R107 VRS-TV1JD182J J 1.8k 1/10W CH AA R186 VRS-TV1JD103J J 10k 1/10W CH AA R108 VRS-TV1JD681J J 680 1/10W CH AA R187 VRS-TV1JD102ZJ J 2.2k 1/10W CH AA R109 VRS-TV1JD101J J 100 1/10W CH AA R110 VRS-TV1JD102J J 1k 1/10W CH AA R188 VRS-TV1JD472J J 4.7k 1/10W CH AA R111 VRS-TV1JD223J J 2.2k 1/10W CH AA R199 VRS-TV1JD101J J 100 1/10W CH AA R112 VRS-TV1JD224J J 2.20k 1/10W CH AA R191 VRS-TV1JD101J J 100 1/10W CH AA R114 VRS-TV1JD182J J 1.8k 1/10W CH AA R192 VRS-TV1JD561J J 560 1/10W CH AA R115 VRS-TV1JD102J J 100 1/10W CH AA R192 VRS-TV1JD561J J 560 1/10W CH AA R116 VRS-TV1JD102J J 4.7k 1/10W CH AA R193 VRS-TV1JD681J J 680 1/10W CH AA R116 VRS-TV1JD151J J 150 1/10W CH AA R194 VRS-TV1JD101J J 100 1/10W CH AA R117 VRS-TV1JD151J J 150 1/10W CH AA R194 VRS-TV1JD101J J 100 1/10W CH AA R118 VRS-TV1JD151J J 150 1/10W CH AA R195 VRS-TV1JD101J J 100 1/10W CH AA R119 VRS-TV1JD102J J 4.7k 1/10W CH AA R196 VRS-TV1JD102J J 1k 1/10W CH AA R119 VRS-TV1JD102J J 1k 1/10W CH AA R197 VRS-TV1JD102J J 1k 1/10W CH AA R119 VRS-TV1JD102J J 1k 1/10W CH AA R119 VRS-TV1JD102J J 1k 1/10W CH AA R120 VRS-TV1JD102J J 1k 1/10W CH AA R199 VRS-TV1JD102J J 1k 1/10W CH AA R122 VRS-TV1JD103J J 10k 1/10W CH AA R122 VRS-TV1JD103J J 10k 1/10W CH AA R220 VRS-TV1JD103J J 100 1/10W CH AA R220 VRS-						AA		VRS-TV1JD332J	J 3.3k	1/10W CH	
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Ref. No.	Part No.	★ Description	Code	Ref. No.	Part No.	★ Description C	ode
T101	TRANS 9GHE211(TR)	SFORMER J DC-DC Transformer	ВВ		CABINE	T PARTS	
CN102 CN103 CN104 F101 FF101 FF102 FH101 FH102 J101 J102 J103 W101	• •	J Connector, 7 Pin J Connector, 7 Pin J Connector, 11 Pin J Fuse, 250V 630mA J SAF38.9MXB200Z SAV J SAF38.9MKC210Z SAV J Fuse Holder J Fuse Holder J Jack, DC In J Jack, Remote In J Jack, Video/Audio Out J Wire		1 2 3 4 5 6 7 8 9 10 11 12 13	9GH4P1653C 9GH4P1654C 9GH4P1655D 9GH4P1656 9GH4P1657B 9GH4P1658B 9GH4P0235 9GH2H0561 9GH2L1388 9GH6LB0296 9GH08030060BB 9GH08030060BCP 9GH30030080AAP 9GH30020060BBP	J Upper Case J Bottom Case J Inner Cover J Front Cover J Button A J Button B J Rubber Foot J Rear Identification Plate J Heat Sink J Standard Identification Plate J Screw 3x6 J Screw 3x8 J Screw 2x6	AT AP AM AF AT AP AW AC AC AC
	9GH8A2073 F	RONT UNIT(P201)					
10004		TED CIRCUIT	۸D		MISCELLAN	EOUS PARTS	
D201 D202 D203 D204 LD201	VHD1SS133//-1 VHD1SS133//-1 VHD1SS133//-1 VHD1SS133//-1 9GHTOLB502MD	J IS1U60L ODES J 1SS133 SW Diode J 1SS133 SW Diode J 1SS133 SW Diode J 1SS133 SW Diode J LB-502MD	AA AA AA AA		9GH2L1389 9GH2N1132 9GH2N1133 9GH2N1134 9GH2N1138 9GH30030100AAP	J Shield Case J Net A J Net B J Net C J RC Ciel J Screw 3x10	AM AF AF AF AC
LD202 LD203 LD204	9GHTOTLO124 9GHTOTLO124 9GHTOTLO124	J TLO124 J TLO124 J TLO124	AF AF AF		SUPPLIED A	ACCESSORIES	
LD205 LD206 LD207 LD208 LD209 LD210	9GHTOTLO124 9GHTOTLG124 9GHTOTLG124 9GHTOTLG124 9GHTOTLG124 9GHTOTLSG126	J TLO124 J TLR124 J TLR124 J TLR124 J TLR124 J TLSG126	AF AF AF AF AF		RRMCG1488CESA 9GHA491 9GHKP380 9GHKP381 TINS-6710CEZZ	J AV Cable J PAL(M)-F Connector J PAL(M)-F Connector J Operation Manual	AV AS AS AS AL
	9GHSS138 9GHSS138 9GHSS138 9GHSS138 9GHSS138	J Switch J Switch, Down J Switch, Up J Switch, Power NEOUS PARTS	AF AF AF AF		TINS-6711CEZZ TINS-6712CEZZ UADP-0187CEZZ UADP-0188CEZZ UADP-0189CEZZ UADP-0190CEZZ	(TU-M100(H)(T)(A)(M)) J Operation Manual (TU-M100(E)(K)(X)) J Operation Manual (TU-M100(U)) J AC Adapter(TU-M100(H)) J AC Adapter(TU-M100(U)) J AC Adapter(TU-M100(E) J AC Adapter (TU-M100(A)(K)(M)(T)(X)	BG BH BH
CN201 CN202	9GHKJ477 9GHKJ478	J Connector, 7 Pin J Connector, 11 Pin	AG AH			(10-101100(A)(K)(10)(1)(A	,,
	9GH8A2071	RF UNIT(P301)				NG PARTS ACEMENT ITEM)	
T301	VTUVTST5HZ64/	SFORMER J VTST5HZ64 NEOUS PARTS	ВВ	<u>-</u>	9GH6BG0443 9GH6BK0133 9GH6HA050 9GH6HM007	 Packing Case Partition Plate Bubble Bag (for AC Adapter) Wrapping Paper 	
CN301 W301	9GHKJ477 9GHA489	J Connector, 7 Pin J RCA Cable	AG AN		9GH6LB0296 9GH6LC0063	 Specification Label Label, NOTAX (TU-M100(M)) 	_
	9GH8A2072	ANT UNIT(P401)			9GH6LC0064 9GH6LC0065	 Label, EAN Code (TU-M100(E)(K)(X)) Label, UPC Code 	_
_		SISTORS			9GH6LC0066	(TU-M100(U)) - Label, CE Mark (TU-M100(E)(K)(X))	_
R401 R402 R403	VRS-TV1JD240J VRS-TV1JD240J VRS-TV1JD240J	J 24 1/10W CH J 24 1/10W CH J 24 1/10W CH	AA AA AA		9GH6LC0068 9GH6LC0067	 Label, H Mark(M100(H)) Label, NOM Mark (TU-M100(U)) 	_
	MISCELL 9GHA490	ANEOUS PART J PAL Connector Brack	et AS		9GH6LE0261 9GH6LF0476 9GH6P0015	 Product No. Labe Serial No. Label Polyethylene Bag (for O/M) 	

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10. CABINET EXPLODED VIEW





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